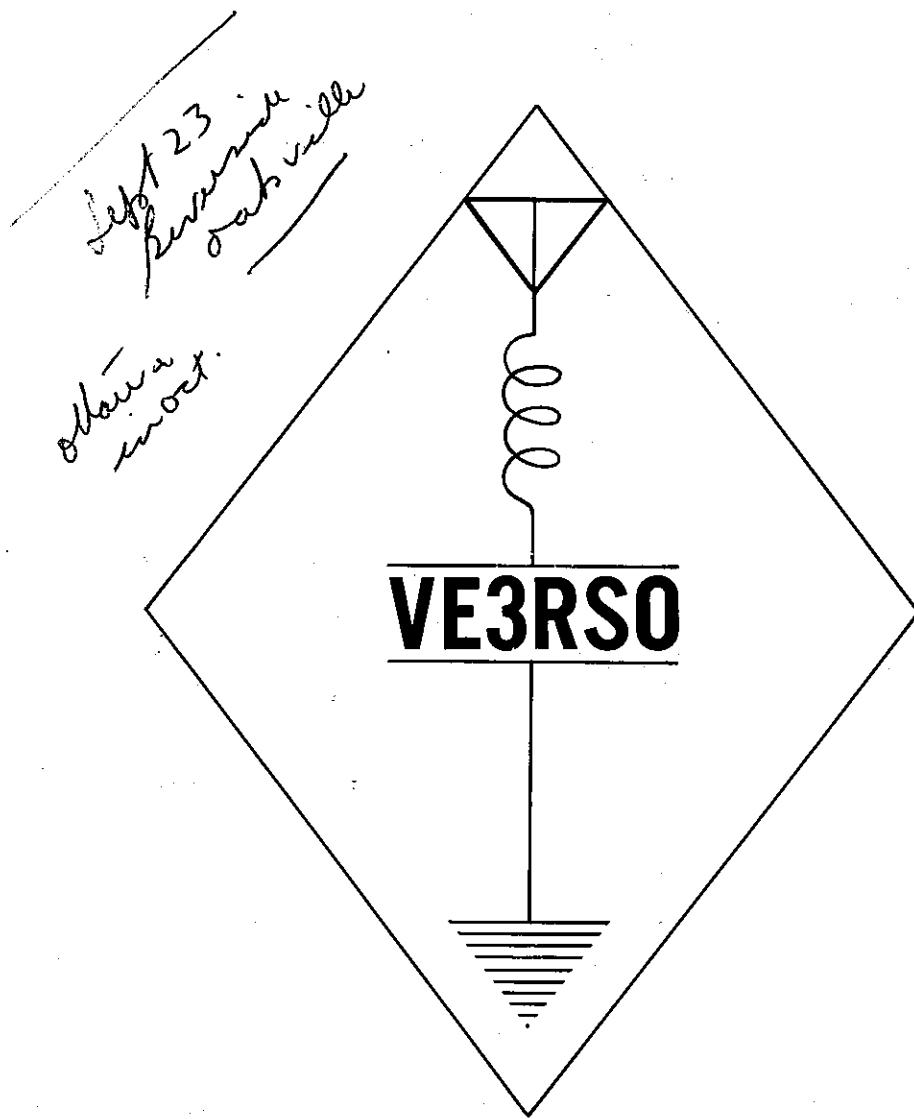


ONTARIO AMATEUR



RADIO SOCIETY OF ONTARIO INC.

RADIO SOCIETY OF ONTARIO INCORPORATEDOFFICERS AND DELEGATESDIRECTORS

VE3CO W. F. Choat

VE3AAO J. Williams

VE3EVO W. West

DELEGATESToronto:

K. Andras	VE3UU	214 Russell Hill Rd., Tor. 7	921-7424
C. Bailey	VE3BOF	64 Southwell Drive, Don Mills	444-0952
B. Colleck	VE3MB	27 Flerimac Road, West Hill	284-1764
R. Murray	VE3EZS	38 Devondale Ave., Willowdale	221-2869
D. Roblin	VE3CTL	60 Pachino Blvd., Scarborough	444-6918

Hamilton:

T. Kennedy	VE3NK	16 Jameson Drive, Dundas	628-6844
H. Nelson	VE3BFG	Box 192, Port Colborne	835-5738

Ottawa:

L. Doreen	VE3SZ	Box 632, Deep River	584-2520
R. Powell	VE3DJK	213 Pescod, Cornwall	932-8555

Kingston:

A. Blick	VE3AHU	Box 204, Amherst View	289-2697
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Sault Ste. Marie:

L. Brownlee	VE3BLZ	47 Wavell St., Creighton Mine	692-3234
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London:

T. McKee	VE3ETM	3575 Longfellow Rd., Windsor	969-2367
J. Williams	VE3AAO	537 Canterbury Rd., London	434-7782

Kitchener:

A. Hampshire	VE3BWM	C F. B Clinton, Adastral Park	228-6771
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North Bay:

C. Roy	VE3WQ	P. O. Box 23, Porquois Jct.
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Lakehead:

NO DELEGATE FOR 1967.

For executive Committee names and addresses
see final page.

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THE ONTARIO AMATEUR

1.

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March 1967

The Official Bulletin of the Radio Society of Ontario Inc.

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Correspondence should be addressed to:-

P. O. BOX 334,
TORONTO 18
ONTARIO

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VE3BFG

MEMBERS - PLEASE PASS THIS APPLICATION ON TO A NON-MEMBER!

RADIO SOCIETY OF ONTARIO INC.

APPLICATION FOR MEMBERSHIP

NAME: CALL:

ADDRESS:
..... D.O.T. DISTRICT:

DATE: SIGNATURE:

MEMBERSHIP FEE \$ 2.00 per year.

MAIL TO:

Radio Society of Ontario Inc.,
P. O. Box 334,
TORONTO 18, Ontario.

A MESSAGE FROM THE PRESIDENT

The address of the incoming president to the annual meeting of the R. S. O. ---

FELLOW HAMS:-

Thank you for the honour you have done me. I will sincerely endeavour to do my best, as I see it, at all times, to further amateur radio in all its aspects in Ontario.

Please understand that in my opinion this is a two way responsibility for each one of us, and all members. We each look to receive benefit in our hobby from the Radio Society of Ontario and from the other members of the Society. You, in your turn, are asked to make a contribution in addition to your annual dues, according to your ability, in whatever direction that may lie. Please do not forget that.

You may, or may not, have noticed that I addressed you as 'fellow hams'. I would like to think that all hams are also gentlemen, always having respect for the other fellow's point of view. Since this is a hobby, supposedly engaged in for fun and relaxation, let us always keep it that way. Personally I have no time for acrimonious discussion or argument, but rather let us always have good will towards our discussions both on these pages and on the air.

Let me thank each one of you in advance for the support I feel sure I will get. Please do not hesitate to contact me at any time on matters pertaining to the Society.

WM. F. CHOAT

VE3CO

T H E E D I T O R S P A G E

As we open the pages of volume two of our bulletin, we can look back, in some cases rather ruefully, to our mistakes (and few triumphs!) of the past year. We can make up our minds to try and do better in 1967, to go further and faster, and to duplicate in some measure that aim of most mens lives, to leave the world a little better at the end of their run, by reason of their efforts.

To our way of thinking, the most auspicious circumstance of the New Year is the energetic start made at the first meeting of this year's executive, undoubtedly due largely to the influx of new blood among our delegates. It was a refreshing change to see one new delegate bring his own black-board to the meeting, and proceed, with the chairman's sanction, to list his idea of objectives to further the aims of the Society.

While we are on the subject of delegates, let us not forget that those who are not on the roster this year will have more free time, time to travel around the clubs, collect views and opinions, and when they are ready with more ideas, we hope to welcome them back on the scene.

As a ham of some years standing, who has largely devoted his time to 20 metres, your editor is still suffering somewhat from a feeling of strangeness in this world of 75 metres (sorry, 80 as well) and local contact. But we must state that perhaps because of this new experience, we have an uncomfortable feeling that the constitution of the Society is not yet by any means ideal.

One relationship which causes us unease, is that there is a large body of opinion in the Province which remains by and large unrepresented, in spite of the apparent democratic appointments of our delegates. Here and there, there appear to be considerable bodies of opinion on various subjects important to the ham, which are only lightly or negligently discussed at monthly meetings. That some of the delegates are aware of these opinions is only too obvious, but they are rarely discussed seriously, perhaps due to lack of opportunity, a feeling of newness with the delegates during their first year, or just because of pressure of time at the meetings. However, one also gets the impression that the atmosphere in this respect at executive meetings (up until now!) in 1967 is very much better than it was in 1966.

The progress in this direction, if real and sustained could well lead to the elimination of the feeling that there is too much telling the amateur what he is supposed to do (e.g. join the RSO!) and not enough asking the ham how he expects his objects and ideals to be achieved. Promotion of communication in all its phases is undoubtedly the answer to this one. The net between the delegates on Sunday mornings should help considerably in this direction. Mere amateurs (who will no doubt be told to leave their betters alone to their deliberations) will have no difficulty in listening in to the views expressed. Their turn will come on the evening nets, where more than one delegate is often present, and he in turn can be told how wrong he is, proving the truth of the old adage 'uneasy lies the head that wears the crown'.

The whole process can be turned to good account by the amateur, if he is awake to the possibilities, and ready to supply the answer to that question so often asked by delegates ---- 'Just what are the duties of a delegate? They will find out!'

At the executive meeting of February 11th, the following plans were adopted as the objectives of the R.S.O. It was instructed by the meeting that these should be brought to the attention of the members.

R . S . O . O B J E C T I V E S

1. Establish a permanent headquarters.
2. Paid staff.
3. Monthly publication
4. Radio station with daily operation
5. Yearly convention in conjunction with an affiliated club.
6. 75% Ontario Amateur membership.
7. Help create and support a National Federation of Provincial Associations.
8. Provide worthwhile RSO aids to clubs (log books, QSLs, message forms, etc.).

1967 PLANS

Institute plans by means of committees which will be of benefit to amateurs.

1. Group Insurance Chairman: Rees Powell
2. Increase membership to 1500 Chairman: Tom Kennedy
3. Ham "White Cane": Station. Chairman: Ken Andras
4. Satisfactory operation of the QSL bureau Chairman: Russ Buckley
5. New name and insignia for the 'Ontario Amateur' Chairman: John Williams
6. Regulation Handbook Chairman: Art Blick
7. Swap Club bulletin Chairman: Herb Nelson
8. Assist Ham widows Chairman: Bob Murray
9. Assist affiliated clubs in formation and operation. Chairman: Charles Bailey
10. Promote Contests and award activities Chairman: Wm. Bissell
11. Liaison among Ontario Clubs. Chairman: Herb Nelson
12. Supply ham aids, log books, etc. Chairman: Herb Nelson
13. Amateur representation on C.R.T.P.B. Chairman: Wm. Choat
14. Publicize RSO services, e.g. high pass filters, etc. Chairman: Ken Andras
15. Investigate manufacturers policies and responsibilities regarding production of ham interference free equipment. Chairman: Rees Powell
16. Delegates responsibilities. Book Chairman: Herb Nelson
17. Call letter license plate situation. Chairman: Art Meen

Cards for the following three letter "B" call stations being held

AT THE QSL BUREAU

Watch for your call in future months, or, better still, make sure the manager has envelopes from you.

Send stamped self addressed envelopes to: RUSS BUCKLEY, VE3UW
20 ALMONT ROAD,
DOWNSVIEW, ONTARIO.

BAA	BBB	BCB	BDC	BEB	BFB	BGA	BHB	BIC	BJC	BKC	BLA
BAC	BBH	BCD	BDD	BEG	BFD	BGD	BHE	BID	BJE	BKF	BLB
BAE	BBL	BCF	BDF	BEJ	BFF	BGH	BHH	BIE	BJK	BKG	BLM
BAG	BBN	BCH	BDM	BEM	BFK	BGJ	BHT	BIF	BJM	BKJ	BLN
BAI	BBV	BCK	BDN	BEE	BFM	BGS	BHX	BII	BJN	BKO	BLO
BAK	BBI	BCT	BDQ	BER	BFP	BGX	BHZ	BIL	BJO	BKT	BLW
BAL	BCV	BDT	BES	BFQ			BHG	BIO	BJW	BKY	BLY
BAO	BCW	BDU	BET	FBU			BHJ	BIP	BJY		BLD
BAS	BCY	BDV	BEU	BFW				BIS			
BAW	BCR	BDX	BEY	BFS							
	BCU										

BMC	BNK	BOC	BPF	BQB	BRJ	BSA	BTF	BUA	BVB	BWB	BXJ
BMQ	BNQ	BOD	BPL	BQM	BRT	BSB	BTT	BUC	BVC	BWE	BXM
BMY	BNS	BOJ	BPQ	BQO	BRU	BSC	BTD	BUE	BVD	BWI	BXY
	BNY	BOZ	BPR	BQR	BRW	BSE	BTE	BUH	BVE	BWK	
	BNO	BOG	BPS	BQT	BRY	BSK	BTL	BUJ	BVF	BWL	
			BUU		BRE	BSL	BTQ	BUP	BVH	BWN	
			BPV		BRG	BSM		BUR	BVK	BWU	
						BSO		BUT	BVP	BWX	
						BST		BUW	BVV		
						BSV		BUX	BVY		
						BSZ		BUY			
						BSS		BUD			

BYF	BZE	<u>MAILING INFORMATION</u>
BYJ	BZK	
BYK	BZ0	
BYT	BZU	5 cards or less require 5 cent postage -- 6 to
BYT	BZW	11 cards require 8 cents.

BYW		
BYY		
BYI		Please use envelope size 5 1/2 inches by 7 1/2
BYU		inches obtainable at any large stationery store.
		show your call in upper left corner of envelope.

For the next issue of the R.S.O. Bulletin I will endeavour to list a further series of calls for which cards are waiting.

If I have listed your call, and an envelope is on file, drop me a line and the error will be rectified.

An extra envelope on file will assist the QSL manager in reducing the number of cards taking up valuable space.

VIEWS OF THE DELEGATES

At the annual meeting of Delegates, held on January 21st, each Delegate took a few minutes to express his views on RSO activities. The following are some of the points covered.

- K. Andras VE3UU The matter of life Membership of the RSO to be discussed by the Executive committee.
- C. Bailey VE3BOF Discussed guidelines for the future.
- A. Blick VE3AHU The status of Directors and Delegates in filling vacant directorships. Travelling expenses to be reviewed by Executive again.
- L. Brownlee VE3BLZ Aims and purposes of the RSO. Executive to visit clubs for discussion.
- B. Colleck VE3MB Found no difficulty in answering questions at club meetings.
- L. Dorreen VE3SZ Newscasts too long, courtesies to be abbreviated.
- A. Hampshire VE3BWM Newscasts to be carried on more nets - suggested article on 'Why you should join the RSO'.
- T. Kennedy VE3NK Date required on first page of bulletins. Some Old Timers require assistance as well as the blind.
- T. McKee VE3ETM QSL bureau still not satisfactory - hopes this has been taken care of in recent new arrangements.
- R. Murray VE3EZS Wants more help from the Executive - visiting clubs to become known. Willing to speak anywhere if asked. Membership kit required for clubs.
- H. Nelson VE3BFG Favours controversy - reconsideration of termination of membership by directors. Bylaws should be available, possibly on payment. Campaign time required before elections. Centennial QSL card not good enough.
- R. Powell VE3DJK Good job being done by staff. Wants objectives of RSO delineated on short and long term basis. Stressed such matters as a 'monthly' bulletin, license plates, community of interest with the nets and DX Association.
- D. Roblin VE3CTL Generally approved previous suggestions - more would be forthcoming after experience.
- J. Williams VE3AAO Best annual meeting so far. RSO must press ahead. Is open to visit local clubs. Considers it not difficult to get more members.

During January our weekly newscasts were detailing the gradual commissioning of a net - a club - and a station, VE3NIB. Centred around the h.q. of the C.N.I.B. in Toronto, these activities finalized (as much as anything is ever finalized in radio) the interest the White Cane boys have been showing in radio for the past year or so.

Started (similar qualification) by Jack Foxall VE3APN, code and theory classes at Toronto have attracted a number of potential hams over the past few years. On the formation of the Ontario Trilliums - some of the members began to help in code practice and on the social side - not to mention collection of gear and cash for the enterprise. Among the YLs the helpers are legion, and steadfastly refuse to accept credits, while OM VE3BAR (with a little encouragement we believe Dave would become a Trillium himself!) joined in for good measure.

Joe Brown VE3BYQ has of course been running his round table for the boys on Wednesday mornings (10.30 EST, 3780kc) for some time, and the RSO newscast announced the start of an official net, on the same night that it occurred, January 25th (20.00 EST, 3760kc).

Jean, VE3DGG tells me (in a letter which for news would put any journalist to shame) that the station is being readied, that some of the club members who have only recently qualified are preparing to take over teaching the next group of applicants. Three antennas, two mikes, two transmitters, and a junk box are among the more recent items collected. Some of the girls collected \$11, the YL club added \$14, which was quickly joined by \$50 from the Oshawa ARC. Oakville VHF group heard about the project in a talk from Doris, VE3BBO, and another \$27 was promptly added to the kitty. The Scarborough club is taking up a collection for three club nights and the club is doubling any amount collected up to a maximum of \$50. Ken Andras, VE3UU, announced on a newscast that another cheque had 'gone forward' to swell the total, and since newscasts have no cash of their own, we suspect we know from whence it came. At the same time, the Chairman of the RSO P.R. committee invited contributions to help provide the station with a first class rig.

Any of those discarded AM rigs which may be lying on the shelf, or receivers no longer being used, would also be useful to set up the members with their first rigs. It has been suggested that any equipment collected in this manner will become the property of 3NIB, and loaned to the members. In the event of their obtaining more sophisticated equipment later, the original will be returned to 3NIB, to be loaned out again to other successful applicants for new tickets in their turn.

The new station is not likely to be limited to the H.F. bands. Two offers of two metre rigs have been made which should help to keep 'the Nibs' as they have decided to call themselves, well represented on the VHF bands.

The one other chance of us doing something to assist the service - is to 'drop in' on the gang anytime when we hear them on the air. We are assured of a welcome at any time - their net time is not reserved particularly for the White Cane members. We would probably have to belong to that restricted band before we could appreciate how much frequent contacts with other sources will mean to the members of VE3NIB.

President of the new club ARC is Nick Bai, VE3GIB; Vice president is Gord Offord VE3CJJ, and Sec-Treas. is Gord Mitchell VE3GIM. VE3BAR is 'depot engineer' ... you can guess he will be a busy man. Good luck, Fellows!

SINCE GOING TO PRESS THE CNIB STATION HAS BEEN OFFICALLY OPENED.

LEGAL OPINION?

Maybe our Legal Council can answer this one

From 'Ham Gab", as reported by K9TOL (just out of hospital)

Can one amateur sue another amateur, or file a civil lawsuit against him, or collect unemployment insurance; or should he forget the whole damn thing? That is the question and here is the story

I went to help amateur radio station WA9AF0 put up his antenna on his chimney, but found that the chimney was too small to hold a mast plus the rotator and beam, so suggest that we build up the chimney. This was agreed upon, so we got a wheelbarrow, mortar, bricks and 4 x 4 beam with a rope and pulley on it to haul up the bricks and other vital parts. After two long hours the chimney was completed and five feet longer, plus a lot of bricks left over. I went down and hoisted the wheelbarrow back up again and secured the line at the bottom and went up and filled the wheelbarrow with the extra bricks. Then I went to the bottom and cast off the line.

Unfortunately, the barrel of bricks was heavier than I was and before I knew what happened the wheelbarrow started down, jerking me off the ground. I decided to hang on and halfway up met the wheelbarrow coming down and received a severe blow on the head and shoulders. I then continued to the top, banging my head against the beam and getting my finger jammed in the pulley. When the wheelbarrow hit the ground, it busted the wheel and split open the bottom, allowing all of the bricks to spill out. I was now heavier than the wheelbarrow and so started down again at highspeed. Halfway down I met the wheelbarrow coming up and received severe injuries to me shin bones and mid-section. When I hit the ground I landed on the bricks with my head, getting several painful cuts and loss of two teeth, from the sharp edges of the bricks.

At this point, I must have lost my presence of mind because I let go of the line. The wheelbarrow then came down again giving me another heavy blow on the head and putting me in the hospital.

One may also saythe moral of this story is, USE YOUR HEAD ... IT IS THE LITTLE THINGS THAT COUNT.

.....

FROM "SHORT WAVE CRAFT" NOVEMBER 1935

"The great number of radio transmitters now in operation and the daily increasing demand for additional traffic channels, puzzles the radio commissioners of all nations, and has brought the present radio channel system to a point of practical saturation."

.....and they thought they had problems!

RADIO SOCIETY OF ONTARIO INC.

9.

Executive Committee Highlights 1966

MEMBERS: 17 - 16 Active (9 were delegates)

MEETINGS: 10 - one each month except July and August

AVERAGE ATTENDANCE: 12

LOCATION: 5 meetings in Hamilton
2 King City
1 Niagara Falls
1 Willowdale
1 Toronto

AVERAGE LENGTH: 3 hours and 25 minutes

Total miles driven by the Delegates and Executive - approximately 9,765 miles (this includes car pools)

HIGHLIGHT:

1. Four editions of "The Ontario Amateur"
2. Legal aid to a number of Ontario Amateurs
3. Technical assistance provided
4. A TVI Clinic held in Hamilton under the direction of Tom Vince - chairman Technical Committee
5. Assistance provided to the QSL Bureau, Executive members in the Toronto area spent nights regularly helping at the Bureau.
6. Regular On-the-air Bulletins.
7. Distribution of 30,000 Expo QSL cards throughout Ontario
8. Re-organization of membership dates.
9. Introduction of a renewal notice.
10. A liaison set up between the RSO and the DOT in regard to new amateurs.

SINCE IT IS INTENDED TO PUBLISH THESE HIGHLIGHTS QUARTERLY IN FUTURE, AN ANNUAL REVIEW WILL NOT AGAIN APPEAR. ED.

Open letter to the Editor of "The Ontario Amateur"

Dear Editor:

We hear that many of the Canadian Hams are more than a little annoyed by the presence of American c.w. signals in the "Canadian phone bands" and feel that this is an ungentlemanly intrusion. As we have a fond regard for our numerous Canadian friends, we are very much concerned lest ill-feeling, generated by unresolved notions about rights and amplified by the inevitable few hot-headed individuals on both sides of the border, develop into a large, unreasoning controversy.

Now on the question of c.w. in the phone bands, we would like to offer a few thoughts from the American Ham's point of view for the Canadian Hams to consider:

1. There is the question of who is actually intruding? On 15 and 20 meters the only frequencies on which the American Novice is permitted to operate completely encompass the Canadian phone bands and half of that on 80. The novice can be expected to feel that the Canadian phones are unfair when they operate in the narrow segment to which the novice is confined. Yet we can't deny that the Canadians have the right to do so.

2. There is the question of whether the Hams of one country should be entitled to a larger share of the total allocated band space than the Hams of the other country. Since the total allotted spectrum space is identical for the two countries, it might be reasoned that the country with the largest Ham population should be entitled to the largest share if it were to be divided unequally. This would obviously leave Canada with the short end.

It might be argued further that the privileges would better be shared equally. Note that we are not talking about the c.w. vs. phone division of the bands, but rather the total band usage. Suppose we agree that we should have equal, total band rights. Then with the present phone allocations, the Canadian phones enjoy 775 Kc more operating space than the Americans over the five HF bands. Now if both sides made a gentleman's agreement not to operate c.w. in phone bands (with the exception of the novices who have no alternative), then the Americans would have forfeited 775 Kc of total band privileges unless that agreement included the Canadian's relinquishing an equal amount of spectrum space in the American Phone band.

3. Such a gentleman's agreement is further complicated by the fact that not all Hams on either side will subscribe. Thus when some Canadian phones are heard on the section of the American phone band which might have been relinquished by the gentleman's agreement, there is bound to be a feeling that "the Canadians are violating the agreement, so we can operate c.w. in their band". And the reverse situation will take place also.

4. Such an agreement is made difficult also by the fact that the American novices must work in three of the Canadian phone segments, a fact which is beyond the control of the Amateurs. Furthermore, it is not reasonable to deny the General class licenses the right to work novices in their band.

(CONT'D)

5. There is the question of the wisdom of tampering with the time-honoured principle of universal freedom of c.w. operation anywhere in the amateur bands. From the point of view of fairness, it should not be overlooked that the Canadian c.w. operators are just as free to operate in the American phone segments -- and sometimes do. We think this freedom is a healthy thing for --- Amateur Radio.

6. We believe that informal agreements can never be completely successful and are, at best, only temporary. Human nature, being what it is, the legal operating rights should be practiced by the Hams of both countries and if relief from objectionable interference is required, it should be sought on governmental level where it will be effective as well as permanent.

73, Paul Noye, K2KAM
645 Sheridan Drive,
Tonawanda, New York

EDITOR: "THE COHERER" Tonawanda Club Bulletin.

.....
TORONTO, Ontario.
January 13th, 1967.

To the R.S.O.

Dear Sirs:

On Sunday, January 8th, shortly after noon, it was my privilege? to hear a QSO between two Ontario stations regarding the R.S.O. and A.R.R.L.

The calls of these stations are of no importance as far as the content of this letter is concerned, but the content of the QSO is:

From what I could gather, one station was making an unauthorized policy statement for the R.S.O. and against A.R.R.L. while the other was delivering a diatribe against any organization group or person that was not 105% behind the A.R.R.L. whether this organization, group or person was an amateur or not.

This has given me considerable food for thought over the past week and results of this cogitation are being set down for your examination.

Before I preceed, the opinions expressed below are thos of the writer and it is hoped they are shared by all amateurs...

The ARRL, by the very nature of the membership is an international organization. It is controlled by no one government or agency.

It will accept recommendations and give recommendations.

It will with the co-operation of its members organize various functions in amateur radio.

It co-operates with all other amateur organizations on an international basis.

It does all the foregoing, not because it is an American organization that is exerting control over amateurs in other countries or for that matter over its own members, but because by its charter, policies and the opinions of the majority of its members, it could not and would not exist unless it did.

The RSGB is another organization which operates in the same manner as is the R. S. O. and the R. A. Q. I.

None of the forementioned groups are official or government bodies all of them may make representations to their respective legislative bodies, however, these bodies are under no obligation to accept the representations but, bear in mind that you or I or the guy next door has an equal right to make the same representations and the government is equally at liberty to accept or reject them.

The big difference being that if an organization or group of organizations dedicated to the same ends make the same representation any government will take note.

Therefore the key note is not is it a Canadian organization or American or British, or Afghanistan but is it an amateur organization dedicated to forwarding the aims and aspirations of our hobby in the fullest sense of the word.

If it is, support it, we are an international group, unhampered by borders or politics and dedicated to international communication and understanding. Lets keep it that way.

R. FRENCH
VE3XX

.....

15 Astoria Avenue,
Toronto 9, Ontario.

Mr. A.K. Meen VE3RX

Dear Art:

Many thanks for the QSL's which I received for the "White Caners" Amateur Radio Association, VE3NIB.

The W.C.A.R.A. NET was launched on the air last Wednesday evening at 2000E hrs. The results were very good. The one draw back was the fact that VE5's net was so close, it made reception difficult.

The radio donated to the W.C.A.R.A. IS crystal controlled -AM- only and their crystal happened to be 3760kcs, so they could not very well move.

The W.C.A.R.A. wish to thank R.S.O. for the help given them by various members in getting their net started on the air.

Again thanking you and 73

Myrtle Manning VE3FXM Corr-Sec for W.C.A.R.A.

.....

23 Scott Drive,
Thornhill, Ontario.

The Executive, Radio Society of Ontario Inc.,
Sirs:

To-date I have heard on the air and read in the Bulletin, much of condemnation but very little of commendation. This letter will be a little of the latter, for it has been my experience that if you kick a man too often, he comes of little value. The same can be said of an organization. I think that the gentleman from Sault Ste. Marie has been ably answered by the Honourable Secretary and I will not dwell further on these points, save to say, that having had some experience in financing; I think that the executive have done very well with the monies in hand. Even to create the organization itself is an achievement for which I do thank you one and all.

GOOD LUCK Jack Shipley VE3FES

H A M - A D SFOR SALE

Apache Transmitter \$150. SB-10 SSB adapter \$75, Mint Condition. Will sell separately. ---A.A. Inkster VE3BQC, Aylmer.

NCX3 with power supply \$375. Modulator with power supply on same chassis pair 807s \$30. -- R.B. Durlam VE3NM, 20 Caithness Drive, Welland

Hallicrafters Rcvr - SX 140 - without spkr. Hallicrafters Xmtr - HT40 with assorted crystals. Mint condition. You pay express. \$150 the pair. Cash - Money order or certified cheque. -- F.J. Dixon VE3AWO, Toll Gate E., R.R. #2, Cornwall, 932-9330

Two meter Gonset Communicator IV with built in AC and DC power supplies, mobile antenna, halo and microphone, Will consider trading for ssb transceiver as part payment. - J. C. Keenan, VE3FKG, 92 Adelaide St., Port Colborne.

HBR 8-11-12-13C-14-16-19 etc. Constructors (or owners). Miller #2102 (5-22.5 pf per section) 3 section variable capacitor. Miller #1711 (100 kc BF0) Coil. Two Miller #1730 (1800 kc I.F.) transformers. Four Miller #1709 (100 kc I.F.) transformers. Parts never used. Also RCA all band receiver; type AR6; vintage 1942 model. Well used, but in excellent working shape. Carl VE3DZB 416-222-4340.

Eico 753 (tri-band) transceiver. Eico 752 dc power supply. Home brew ac power supply for the above. \$375. -- J.G. McFayden, VE3FOA 23 Moraine Hill Drive, Agincourt, 293-0601

Rack mounted Hammarlund Super Pro with rack mount power supply, unit used on CW, AM, SSB, RTTY with very fine results, \$125. Motorola mobile unit model CFSTR-140B-60watt on 33.34 MC operation. Can be converted to 28-30 MC or 50.54 MC, \$40. Supreme tube tester, \$20. Valiant Transmitter, like new condx, \$240. Brand new model 15TTY keyboard, \$20. Elenco 75 SSB meter exciter - has Xtal filter, requires external VFO, \$40. J.A. John, VE3FKR, Box 1661 - CFB North Bay, Hornell Heights, Ont.

Hallicrafters HT37, \$325. P & H LA 400C linear, 4-837 pp. 800 watts PEP, complete with 21 feet matching coax, three spare sets 837 tubes and one 816 rectifier, \$150. Can be seen by arrangement.--Ross B. Walker VE3OH, 192 Edgewood Drive, Woodstock, Ont. (519) 537-8198

Heathkit Mohawk Receiver, \$130. Precision 5" oscilloscope, \$75 Geloso 2 meter VFO -exciter, \$20.

Lou Tucker, VE3CCL, R.R. #2, Stevensville, Ontario.

Two SCR 522 Transmitters and Receivers, converted, cheap. VE3ADO Harry Lang, 12 Orchard Drive, Port Colborne, Ontario.

Seneca 2 and 6 meter Transmitter.. \$175. Ameco 2 meter converter with PS, \$40. Snelgrove 9 mc Xtal filter, \$25. Red Hendry, VE3BNW, 37 Edgewood, Welland, Ontario.

7-9 mc Command Transmitter. Make offer.--George Fabi, VE3AI0, R.R. #2, Port Colborne, Ontario.

(CONT'D)

A MEMO FROM " J & B ELECTRONICS"

Radio Amateurs have a choice of many Transceivers and accessory's to-day. The requirements to be decided on before purchase are:

A. Selectivity. B. Operating ease. C. Power. D. Versatility

A power supply should be given the same degree of consideration. As a station is up-graded, he must sell his power supplies too, because of the new voltage and current requirements. This is costly because of depreciation, export costs, etc.

It would be much simpler if a power supply were available to meet most of the requirements of to-day's transceivers. J & B Electronics has made this feature available in the New Universal Power Supplies, both AC & DC-DC Models.

Each unit features Solid State Circuitry throughout, for cool and quiet operation. Here are some of the features:

AC Model

1. Tapped high voltage 700, 750, 800V @500/400ma
2. Low voltage 275V @ 175ma
3. Bias adjustable - 30 to - 110V. 4. Filament 12.6V AC @ 5.5V

DC - DC Model

1. Tapped high voltage 550, 650, 750, 800V @ 500/400ma
2. Low voltage 275 @ 175ma
3. Bias adjustable - 30 to -100V. 4. Input of 12 to 14vdc.

Cost

Economy Model for Eico 753 is \$72.50 plus sales tax, FOB Guelph.
 Universal (for AC Model with cabinet and speaker \$115 plus sales tax (FOB Guelph.
 (for DC-DC Model \$135 plus sales tax FOB Guelph.

Inquire at your local distributor or write:

"J & B Electronics, P. O. Box 671, Guelph, Ontario"

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HAM - ADS CONTINUED

Consett Communicator III 2 meter transceiver with Ameco pre-amp mike and crystals, \$175. Heathkit Inverter, 12v DC in 110v AC out, \$30. 12v-55amp alternator, selenium rectifier type, regulator and manual, \$20.

Len Cutress VE3DWL, 35 Fifth Street, Welland, Ontario.

Power transformer, suitable for linear, Stancor 2500v 2000v with CT, gives 300 dc ma. Mint condition, primary 115/230v, \$50.

R. C. Golding VE3CUS, 69 Gordon Road, Willowdale, Ontario.

2 Meter Transmitter and Power supply. Excellent condition \$50.

Robert Bruce Ashcroft, 3C3GBX, 693 King Rd., Burlington, Ont., Call: 634-3471

Johnson Ranger Transmitter, \$150. Hallicrafters SX140 Rcvr, \$125. High Gain 3 element 10 meter beam-like new- with assembly manual, \$30.

Phil Graham VE3APL, Minden, Ontario.

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WANTED: SWR type Johnson matchbox. J. A. John, VE3FKR, Box 1661, CFB North Bay, Hornell Heights, Ontario.

TELETYPE MACHINES AVAILABLE

The following is a composite arrangement of the essential points of letters which have passed between Noel Eaton, VE3CJ, and SCMs across Canada, with regard to a number of type 15 (page printers) and type 14 (tape printers) which are being made available to hams by Canadian National Telecommunications (in Toronto). Although the present arrangements refer to machines which are more immediately available, the latest information suggests that such machines will be available, intermittently, on a continuing basis, for many months ahead.

Persons wishing to order one of these machines should not write to the RSO, but should address a letter requesting of the the machines as follows:

Mr. J. S. Ford,
 Chief Engineer,
 Canadian National Telecommunications,
 151 Front Street West,
 Toronto, Ontario.

This letter should state simply that the writer wishes to purchase a Type 15 teletype machine, but should not include a cheque or the letter regarding commercial useage mentioned in my original letter. Upon receipt of this "letter of intent" from the amateur, C.N.T. will forward to him a standard letter regarding commercial useage and will tell him exactly what the machine will cost, which will be \$10.00, plus applicable provincial tax.

Machines will, as before, be available in Toronto only, but individual amateurs who have no means of arranging for collection of their machine may request the Radio Society of Ontario to do this for them. The RSO has agreed to undertake this work and has located an experienced forwarding company who will crate and ship these machines for \$12.80; this will be added to the shipping charges, the whole amount being collected on delivery.. Letters to the R.S.O. therefore, should give specific delivery instructions, but need not include any payment for crating and shipping.

The machines are sold on an 'as is-where is' basis; i.e. serviceability is not guaranteed, but they are all recently removed from service. Some may be short of parts, but no guarantee can be given on this point. Delivery will be uncrated, at the C.N.T. warehouse in Toronto.

Each amateur purchasing one of these machines must sign a letter (to be supplied later) stating that it will be used for amateur purposes only, will not be sold except to another amateur, and will not be used for any commercial purpose whatever.

Each sale must be complete in itself, with its own individual cheque and letter, i.e. several amateurs may not pool their orders. If possible it will be arranged that several machines will be available to be stripped for spare parts, details of which will be announced later.

by Art Blick VE3AHU

Any Ham who has built and used the G4ZU Mini- or Superbeam (See CQ mag. Mar. 57 and Aug. 58) knows the advantages of these antennas - cheap, light, readily tuned elements, 20-15-10 operation - and the disadvantages - special clamps, insulators and the feeding problem.

First, a re-cap of the G4ZU element tuning principle (see Fig. 1). AB and CD are two lengths of aluminum tubing arranged in dipole fashion and insulated from each other. The lengths are such that, if B and C were joined together, AD would be a half-wave on 15 metres. The problem of electrically joining BC together, but only on 15 metres, is readily done by inserting a quarter-wave open stub across the two points. On 20 metres this stub appears as a small capacitive reactance, on 10 metres as a small inductive reactance. AD can be electrically lengthened on 20 metres by adding a small closed stub across BC and adjusting its length for resonance: this will also give (almost) a resonant full-wave length on 10 metres.

To construct this, a twin boom is used with the quarter-wave stubs made from Twin-lead and inserted inside the boom, centrally locating them by use of corks or plastic inserts, and using the boom elements as the tuned shorted stubs (see Fig. 2). This method of stub loading works fb for the passive elements but is not suitable for the driven element. The original version used a 24' driven element fed at the centre by 450 ohm OW line through an antenna matching unit. This method works but the difficulties of rotating the beam and the constant manipulation of the controls in the tuner for changes in frequency or weather, led to a search for a better method. G4ZU had suggested a trap-loaded, coax-fed

(CONT'D)

driven element might be suitable, so one was built and tried. This worked, but, with home-brew construction techniques, was not mechanically strong and also suffered from weather effects. Digging in the catalogues provided the answer - the Moseley TA-31 trap dipole and an order was placed with C.M. Peterson Co., 575 Dundas St., LONDON - total cost, including shipping, taxes, etc. was \$46.97 - and the results obtained proved the value of the investment.

The completed beam has the configuration shown in Fig. 4. Note the "extra" 10M director. The passive elements are made from 3/4" OD alum tubing with 24" end inserts of 5/8" tubing for length adjustment. The outer tubing is notched with a hacksaw for approx. 1" and stainless steel hose clamps are used to hold the two pieces firmly together. Large stainless steel clamps are also used to clamp the passive elements to the twin boom (see Fig. 3) - one clamp per element per boom is satisfactory (mine has withstood heavy icing and winds up to 60 mph) but two, arranged in "x" fashion, will add more strength. These clamps are readily obtained from CTC (Gear-type hose clamps, price 21 to 33 cents). The elements are reinforced with an additional 5' length of 3/4" tubing insulated from the element and positioned under the booms (Fig. 3). Any good grade of plastic insulation can be used - prefer nylon rod for extra strength and easier working.

To attach the boom to a mast, use a piece of 1/4" alum plate 8" x 8", drilled and attached to the boom by 4 TV U-clamps. Bolt a 6" piece of 4" x 4" (or 6" x 6") steel angle to the alum plate, using 3/8" cadmium-plated, flat head machine screws, and drill the angle bracket for two TV U-clamps so that the mast will end up against the steel angle. Give all steel parts two coats of porch enamel before assembling.

SILENT KEY

VE2BE Alex Reid Honorary Vice-President, American Radio Relay League

A T R I B U T E

Amateur radio in Canada has lost one of its best known and most popular adherents, with the death of Alex Reid, VE2BE, some weeks ago. If ever there were a 'Mr. Amateur Radio', one who represented the best in our hobby, certainly he was the man.

Having worked with him on League affairs for eight years, and known him for much longer than that, I have a very deep and grateful appreciation for all that he did for his fellows during more than 35 years. For one thing alone he should always be remembered, it was he who established and maintained the wonderful relationship which we have with the Department of Transport.

Not that he was appreciated in Canada alone; his fellow directors of the League showed their opinion of his worth by electing him a vice-president of the League in 1960, a position which he held until the time of his death. In fact the Board meeting of 1966 was the first which he had not attended for thirty-five years.

Having been SCM, Canadian General Manager, Director and Vice-President, his advice on any and all amateur matters was much sought after and appreciated by government officials and other amateurs. It is hard to realize that it will no longer be available, and I for one, will miss it greatly.

He was a gentleman in the old fashioned sense of the word, both on and off the air. All of us were the better for knowing him, and his place will be hard to fill.

NOEL EATON, VE3CJ

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A.R.R.L. NATIONAL CONVENTION ** MONTREAL ** JUNE 30, JULY 1 and 2 , 1967

The convention will be held at the Hotel Bonaventure, Montreal. This is a new hotel still under construction, and it is estimated that 3000 hams from all over the world will be in attendance.

<u>REGISTRATION COSTS</u>	Advance tickets	\$4.00 per registrant
	At the door	\$6.00 per registrant
	Sunday Banquet reservations -	\$12.00 per person

Hotel accomodation can be reserved at approximately \$22 per room per day, or at the Kennedy apartment hotel at \$7.50 per person per day.

Registrations are being handled by: Doug Shaw, VE2BSX,
7401 Mount Avenue,
Montreal 16, Quebec.

Technical articles and items of interest from the clubs are invited for inclusion in the RADIO AMATEUR. Authors are particularly requested to avoid the use of diagrams or direct quotations from other sources without written permission. Editors cannot be expected to recognize such material, and unauthorized use can cause embarrassment both to the author and to the Society. When material is quoted by permission, courtesy by-lines should be given.

Instructions for mailing material

Suggestions for improvement and general material.....	Roy Golding	VE3CUS
Delegates reports and letters to the editor.....	Len Curzon	VE3EXF
Ham ads and Niagara Peninsular material.....	Herb Nelson	VE3BFG
Technical Articles and topics.....	Tom Vince	VE3CKU

Tom Vince is particularly desirous of starting a Technical Topics page -
ANY OFFERS?

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NATIONAL ACTIVITY

The following letter is in reply to a questionnaire received from Amateur Radio League of Alberta.

RADIO SOCIETY OF ONTARIO INC.

P.O. Box 334,
Toronto 18, Ontario.
February 13, 1967.

Mr. J. Lewis, VE6AKA
Amateur Radio League of Alberta,
6438 - 18th Street S.E.,
CALGARY, Alberta.

Dear Jack:

The RSO is pleased to reply to your letter of January 27th, 1967 dealing with the idea of forming an Association of Canadian Amateurs.

The RSO is in favour of the formation of a Canadian Federation of Provincial Societies. It is the feeling of the RSO that the bringing together of Provincial Executives to form such an organization would be most practical so as to keep in touch with one another both on the local and national matters.

The RSO would be prepared to send a representative to a meeting of Provincial groups. It was felt that with the ARRL National Convention being held in Montreal this year on July 1st - 4th, that this would provide an excellent opportunity for such a gathering.

We look forward to hearing from you further on this matter.

24.

PRESIDENT AND OFFICERS OF THE SOCIETY

<u>President:</u> W. F. Choat VE3CO, 38 Grenview Blvd. N., Toronto 18.	231-0483
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